



# Parth Pandit

## Pharmaceutical Professional

### My Contact

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### Hard Skill

- Experience in handling PCR, Centrifuge, Spectrophotometer,
- Tissue Culture handling Western blotting, Micro-pipetting,
- Gel electrophoresis, Assay development and design,
- Experience in Autodock, OECD QSAR Toolbox, Chimera, Python, MATLAB

### Soft Skill

- Observation
- Decision making
- Communication
- Multi-tasking

### Education Background

- University of Strathclyde, Glasgow, UK  
*Masters in Science in Advanced Pharmacology*  
Completed in 2022 with Merit
- University of Mumbai  
*Bachelor in Pharmacy, BPharm*  
Completed in 2021 with CGPA 8.19/10

### About Me

I am a pharmaceutical professional with a passion to learn and apply problem-solving skills and lab skills to drive better-informed decisions by leveraging useful insights from the data. My professional goal is to deliver drugs and fabricate biosensors, and medical devices of transformational efficacy to make them patient-centric.

### Past Projects

Designed a prototype of Stressometer – A novel rapid detection of cortisol levels using point of diagnostics

Key responsibilities:

- Designed a Prototype that is easy, non-expensive, and non-invasive.
- This device measures Cortisol concentration as an indicator of stress.
- Working based on Biochemical, Electrochemical Principles and Surface Plasmon Resonance. The results of aptamer-based models have been very closed to human serum cortisol levels thus giving the correctness.

Probing the biology of Zinc Alpha 2 glycoprotein for cachexia

Key responsibilities:

- Zinc  $\alpha$ 2-Glycoprotein (ZAG) a protein released from white adipose tissue is a multidisciplinary protein with a lot of metabolic functions that has the main role to play in cachexia of cancer.
- ZAG resembles MHC class-II protein in structure and ZAG has a pocket that binds to ligands by hydrophobic linkage and thus can be a novel ligand to treat cachexia.
- With the help of molecular biology techniques and docking, we hypothesized the mechanism of ZAG and the Ligand which binds to it

### Achievements

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|-----------|--|
| 2019–2020 | The Stressometer was awarded the best project in a state-level research convention– Avishkar                                 |
| 2022–2023 | Invited to a conference at International Centre for Theoretical Physics, Trieste, Italy and to RECOMB 2023, Istanbul, Turkey |